Waste Management Seattle CKD

SHARP Report — Part 1 of 2

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• SHARP first SHARP	v2024.04.29	Ecology Info	
• SHARP rating	Low	ERTS	none
• SHARP date	02/26/2025	CSID	17173
• EJFlagged?	✔ – No Override	FSID	47666565
• LD confidence level	low	VCP	none
• Cleanup milestone	remedial investigation	UST ID	none
• SHARPster	Cecilia Henderson	LUST ID	none

This section is blank if this is the first SHARP

SHARP Media	Scores	Confidence	Additional Factors	
Indoor air	D4	high	multiple chemical types	⊘
Groundwater	C3	medium	risk to off-site people	⊘
Surface water	D4	high	climate change impacts	⊘
Sediment	D4	high	plant/animal tissue data	⊘
Soil	C2	medium		

Location and land use info

7901 1st Ave S, Seattle, King County, 98106

Primary parcel	3124049001
Land use	commercial
Responsible unit	NWRO

Sources reviewed

2007, Partial Sufficiency and Further Action Determination, Ecology

2006, Supplemental Investigation Report, Environmental Partners, Inc.

Primary census tract	Associated census tracts
53033011300	none

Local demographics comments

no comments

Source/source area description

The site is currently a commercial warehouse facility, and previously operated as a fuel service station and recyclable materials collection and sorting facility. The site is located in a commercial and industrial area. The site is bordered by SW Kenyon St to the north, 1st Ave S to the east, a commercial building with paved parking area to the south, and a retail fuel service station and Waste Management industrial facility to the west.

In the 1970s, an estimated 20,00 cubic yards of cement kiln dust (CKD) fill was deposited on a majority of the site area. Metals impacts first evaluated and identified in 2005 related to historic placement of cement kiln dust (CKD) fill material on site.

Soil comments

Most recent soil samples collected in 2006. Soil samples collected in 2006 reported total arsenic and lead above cleanup levels between one and seven feet bgs; these contaminants were considered related to CKD fill. Extent of CKD impacts not evaluated for potential off-property impacts. Reports mention potential area-wide CKD fill issue. Entire site is paved and fenced.

Groundwater comments

Most recent groundwater sampling data from 2006; concentrations of metals (antimony, arsenic, cadmium, lead, mercury, and thallium as total and/or dissolved metals) reported above MTCA Method A cleanup levels; these impacts were considered related to CKD fill. Extent of groundwater impacts not fully delineated.

Surface water comments

No surface water on site. The Duwamish Waterway is located approximately 0.5 miles northeast (downgradient) of the site.

Sediment comments

No surface water on site. The Duwamish Waterway is located approximately 0.5 miles northeast (downgradient) of the site.

Indoor air comments

No vapor intrusion concerns.

Additional factors comments

no comments

Site history

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In the 1970s, an estimated 20,00 cubic yards of CKD fill was deposited on a majority of the site area. In 1979, the current site commercial building was constructed.

Between 2005 and 2006, four quarters of groundwater monitoring events included sample analysis for total and dissolved metals for evaluation of potential CKD impacts. Concentrations of antiomy, arsenic, cadmium, lead, mercury, and thallium (as total and/or dissolved metals) were detected in groundwater exceeding applicable cleanup levels.

In 2006, 13 soil borings and one additional groundwater montioring well were installed to characterize CKD fill material historically used on site. Concentrations of total arsenic and total lead were reported in soil samples exceeding MTCA Method A cleanup levels. CKD fill was estimated to be present between one and seven feet bgs, totaling an estimated 20,000 cubic yards on site.

In 2007, Ecology provided an opinion letter stating that further action is necessary for metals released into soil and groundwater associated with CKD.

Overflow - Site contamination and cleanup history

This SHARP is solely associated with metals contamination from CKD associated with CSID 17173. Petroleum contamination on the property related to historical fuel station operation between approximately 1955 and 1997 is associated with a separate CSID 6936. A separate SHARP for CSID 6936 reviews petroleum history and impacts on this property.

Groundwater depth has been reported between two and eight ft bgs and was 4.5 to 7 feet bgs and flows to the east/northeast.

Waste Management Seattle CKD

17173 Waste Management Seattle CKD 20250226
First SHARP
SHARP rating — Low

SHARP Report — Part 2 of 2

Conceptual site model
02/26/2025

SHARP